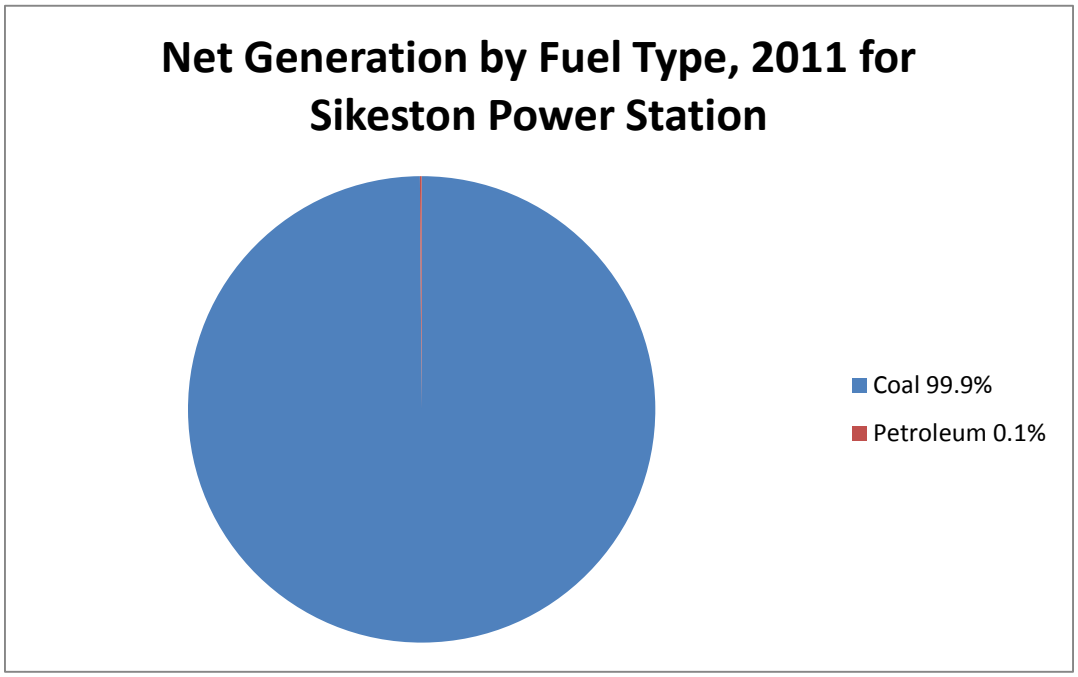
Missouri Department of Natural Resources

City of Sikeston
Power Plant Name: Sikeston Power Station
Electric Generation and Emissions in 2011

Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal	20,303,209	99.9%	99.9%	1,837,834	99.9%	99.9%
Natural Gas						
Petroleum	24,251	0.1%	0.1%	2,202	0.1%	0.1%
Nuclear						
Other						
Non-renewable total	**20,327,460**	**100.0%**	**100.0%**	**1,840,036**	**100.0%**	**100.0%**
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	**20,327,460**		**100.0%**	**1,840,036**		**100.0%**

Fuel Type	Physical Units	Number of Units
Sub-bituminous Coal	Short Tons	1,135,807
Distillate Fuel Oil	Barrels	4,070


Net Generation by Fuel Type, 2011 for Sikeston Power Station
Coal 99.9%
Petroleum 0.1%

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Power Plant Nameplate information for Sikeston Power Station

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
Sikeston Power Station		*All Operating Generators*			*1,044.0*
Sikeston Power Station	Scott	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	1,044.0

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Emissions from Electricity Generated in 2011: Sikeston Power Station

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Sikeston Power Station	73,802,146	8,693,230	985,060	143,299

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Sikeston Power Station	12,111	0.0009	0.0009

Identified Flue Gas Desulfurization (FGD) controls installed on Sikeston Power Station power plant

Plant	Control Equipment	Sorbent Type
Sikeston Power Station	Venture type, Tray type	Limestone

Identified Flue Gas Particulate (FGP) controls installed on Sikeston Power Station power plant

Plant	Control Equipment
Sikeston Power Station	Electrostatic precipitator, cold side, without flue gas conditioning

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Notes:
Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/electricity/data/eia923

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
http://www.eia.gov/electricity/data/eia860/index.html

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
http://www.epa.gov/climateleadership/documents/emission-factors.pdf